




# EUROPEAN PATENT APPLICATION

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 Filtration membrane and process for producing the membrane.

 Filtration membrane, especially adapted for use in ho-  
 mofiltration as well as filtration of infusion solutions.

The membrane, preferably in the form of a hollow fiber,  
 is made of a polymer which is soluble in a polar, non-  
 protonic organic solvent. The most preferred polymer for  
 the membrane material is polyamide. Characterizing for the  
 membrane is high ultrafiltration rates (permeabilities to  
 water) of up to  $500 \times 10^{-4}$  ml/sec.  $\times$  cm<sup>2</sup>  $\times$  atm., and imper-  
 meability to albumin (M<sub>w</sub> 68,000).

The membrane is prepared by extruding a polymer  
 solution with a center liquid under conditions such that the  
 volume of polymer solution to volume of center liquid ratio  
 is within the range of from 2 : 1 to 4 : 1. Simultaneously, the  
 inner diameter to wall thickness ratio of the hollow fiber is  
 preferably correlated to the polymer concentration and is  
 set to 150 : 75 to 280 : 75 at a polymer concentration of  
 5-20%. The most preferred such correlation is 220 : 75 at a  
 polym r c ncentrati n of 11%.

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